

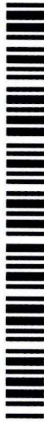
Order 12358



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D2199-23
Job Sheet 189101



Part No: D2199-23

Job Qty: 2 pcs

Part Name: Strut



Part Weight: 0 lbs

Priority: Medium

Job Created: 1/18/19

Status: New

Due Date: 2/5/19

Job Tracking No:

Type: SOLD

Description:

Note: DWG REV F IPP: D 02.06.10 Rem polish & add finish NG/CC

Ship Via:

Bill of Materials

Job Routing

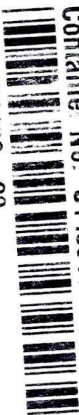
Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	DAS Sign-off
					Setup Hrs	Run Hrs		
100	Small Fab - Brake NC <i>2643</i>	2 pcs	2/5/19	2/5/19	0.00	0.63	Small Fab - Brake - 1 Small Fab - Brake - 2 Small Fab - Brake - 3	DAS 58 9-89
120	QC 5	2 pcs	2/5/19	2/5/19	0.00	0.00	QC 5 - 10 QC 5 - 12 QC 5 - 17 QC 5 - 18 QC 5 - 19 QC 5 - 22 QC 5 - 24 QC 5 - 3 QC 5 - 38 QC 5 - 42 QC 5 - 43 QC 5 - 49 QC 5 - 51 QC 5 - 58 QC 5 - 68 QC 5 - 9 QC 5 - 50 QC 5 - 30	DAS 38 9-89
130	Powdercoat - 2 White GI(S)-B4B 2 pcs <i>M/S 8947</i>	2 pcs	2/5/19	2/5/19	0.00	0.13	Powdercoat - 1 - B4B Powdercoat - 2 - B4B Powdercoat - 3 - B4B Powdercoat - 4 - B4B	<i>BL 17-01-23</i>
140	QC 3 <i>SMKTI 215-011-400-1100-045</i>	2 pcs	2/5/19	2/5/19	0.00	0.00	QC 3 - 10 QC 3 - 13 QC 3 - 15 QC 3 - 17 QC 3 - 18	

Plex 1/18/19 10:41 AM Dart.Macdonald.Dara

DARI
AEROSPACE

12710 Aberdeen Street
Hawkebury, ON K6A 1K7
CANADA
Tel: 1 613 632-6200
Email: sales@dareto.com
www.dareospace.com

Container No: S146310



Part: D2199--23

Job No: 189101

Serial No/Batch: S146310

Revision:

Inspector:

Exp Date:

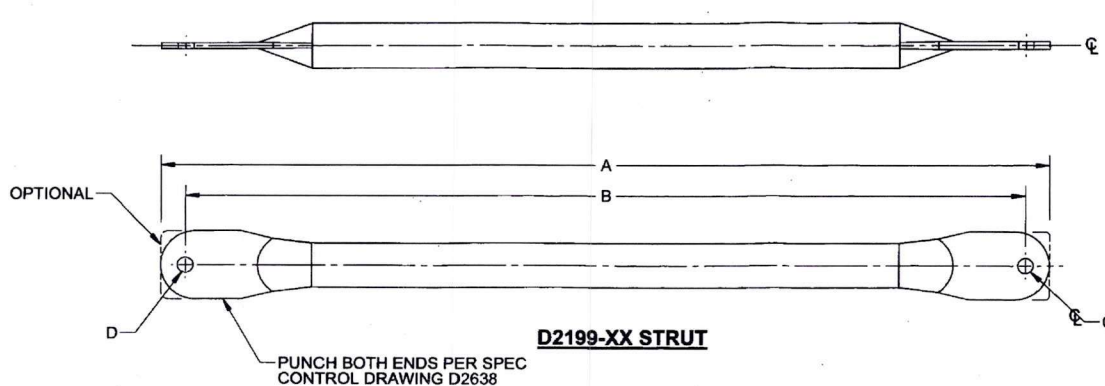
Instructions: Various STC's

Date: 01/21/19

					QC 3 - 2	
					QC 3 - 26	
					QC 3 - 28	
					QC 3 - 3	
					QC 3 - 30	
					QC 3 - 34	
					QC 3 - 36	
					QC 3 - 38	
					QC 3 - 41	
					QC 3 - 51	
					QC 3 - 58	
					QC 3 - 59	
					QC 3 - 6	
					QC 3 - 68	DAS FEB 04 2019 68
					QC 3 - 9	9-89
150	Packaging 3-1 - Stock - B4B	2 pcs	2/5/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	ST 353 FEB 04 2019
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
160	QC 21 - SA	2 pcs	2/5/19	0.00 0.00	QC 21 - SA - 21	DAS FEB 04 2019 21
Part Op 100 - (Punch ends and deburr as per dwg) Punch per Dwg. D2199 and Spec Control Dwg D2638						
Descriptions: 120 - (QC5- Inspect part completeness to step on W/O)						
130 - (White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel) START TIME: _____						
140 - (QC3- Inspect Part Finish)						
150 - (Identify as per dwg & Stock Location: _____)						
160 - (QC21- Final Inspection - Work Order Release)						

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
M304TR0.750W.049	304 Round Tube .750 X .049W	4.4000 ft (2.2 ea)	100-Small Fab - Brake NC	5126573
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Small Fab - Brake NC	M304TR0.750W.049	4	282	0
Part Specifications				
Specifications could not be found.				

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PART NUMBER	A	B	C	D	WEIGHT (LBS)	FINISH
D2199-1	18.80	17.50	Ø0.257	Ø0.257	0.56	NOTE 2
D2199-3	5.80	5.00	Ø0.257	Ø0.257	0.17	NOTE 2
D2199-5	22.64	21.84	Ø0.257	Ø0.316	0.69	NOTE 2
D2199-7	14.74	13.94	Ø0.257	Ø0.257	0.45	NOTE 2
D2199-9	16.52	15.72	Ø0.257	Ø0.257	0.50	NOTE 2
D2199-11	23.60	22.80	Ø0.257	Ø0.316	0.72	NOTE 2
D2199-13	15.96	15.16	Ø0.257	Ø0.257	0.49	NOTE 2
D2199-15	17.57	16.77	Ø0.257	Ø0.257	0.54	NOTE 2
D2199-17	28.05	27.25	Ø0.257	Ø0.316	0.86	NOTE 2
D2199-19	18.90	18.10	Ø0.257	Ø0.257	0.58	NOTE 2
D2199-21	10.80	10.00	Ø0.257	Ø0.257	0.33	NOTE 2
D2199-23	26.18	25.38	Ø0.257	Ø0.316	0.81	NOTE 2
D2199-25	19.93	19.13	Ø0.257	Ø0.257	0.61	NOTE 2
D2199-27	27.34	26.54	Ø0.257	Ø0.316	0.84	NOTE 2
D2199-29	21.11	20.31	Ø0.257	Ø0.257	0.65	NOTE 2
D2199-31	15.55	14.75	Ø0.257	Ø0.257	0.45	NOTE 3

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ROUND TUBING Ø0.750 X 0.049 WALL PER ASTM A213 OR ASME SA213 OR ASTM A269 REF DART SPEC. M304TR0.750W0.049
- 2) FINISH: POWDER COAT "WHITE" (4.3.5.2) PER DART QSI 005 4.3
- 3) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 7) IDENTIFICATION: IDENTIFY WITH DART P/N "D2199-XX" AND B/N BXXXXXX PER QSI 044, 6.5.
- 8) WEIGHT: PER CHART
- 9) MAKE PER TEMPLATE DT2199-XX WHERE XX IS THE RESPECTIVE DASH NUMBER.

RELEASED

2015 FEB 04

REN 15-522 915-522

F	INCORPORATED E1, REFORMATTED AND REDRAWN. ADDED -31. ADDED GREY SANDTEX FINISH.	AJS	14.09.26
E	ADDED -23 AND -25 PER TSR A565M, ADDED TEMPLATE & SPEC CTRL. DWG REDRAWN IN CAD	KE	98.04.28
D	ADDED -21	N/A	N/A
C	ADDED -17 AND -19	N/A	N/A
B	ADDED -11, -13 AND -15	N/A	N/A
A	NEW ISSUE	JB	1993
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	DD	D2199	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	STRUT DETAILS	NTS
DATE	14.09.26	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐																															
Date : _____		Sequence #: _____		QTY Affected : _____		MRB (QSI042)																													
Description Work Order Deviation				Disposition																															
				Completed By																															
				Lead hand / Supervisor																															
				QC / QA Coordinator																															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY <table border="0"><tr><td>☐ Pressure/Forced</td><td>☐ Contamination</td><td>☐ Power Loss/Surge</td><td>☐ Positioned Wrong</td></tr><tr><td>☐ Bending</td><td>☐ Misaligned/off center</td><td>☐ Folio/Program</td><td>☐ Outside Tolerance</td></tr><tr><td>☐ Crushing</td><td>☐ BOM/Route</td><td>☐ Grain Direction</td><td>☐ Drawing</td></tr><tr><td>☐ Cracks</td><td>☐ Broken/Damage/Defect</td><td>☐ Weld</td><td>☐ Finish</td></tr><tr><td>☐ Crimp/Kink/Ripple/Wave/Twist</td><td>☐ Incomplete/Unclear Instructions</td><td>☐ Wrong Stock Pulled</td><td>☐ Part Lost/Missing</td></tr><tr><td>☐ Marks/Chatter</td><td>☐ Drill Holes</td><td>☐ Out of Sequence</td><td>☐ Misread</td></tr><tr><td>☐ Mislabeled</td><td>☐ Fit/Function</td><td>☐ Off-set/Set-up</td><td></td></tr></table>						☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Bending	☐ Misaligned/off center	☐ Folio/Program	☐ Outside Tolerance	☐ Crushing	☐ BOM/Route	☐ Grain Direction	☐ Drawing	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Finish	☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread	☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up	
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		Other/Details: _____																																	